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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the subject application:

Listing of Claims:

1. (Currently Amended) A method comprising:

reading one or more event data, the one or more event data corresponding to an event monitored from a system;

for each event datum, compressing the event datum if the event datum is determined to be compressible, said compressing including;

generating a hash from a value, the value based, at least in part, on one or more characteristics of a given event datum of the at least one of the one or more event data;

mapping the hash to a dictionary index in a dictionary, the index corresponding to a dictionary entry; and

if the dictionary entry corresponds to the given event datum, then outputting the dictionary index;

creating a processed event record, the processed event record conforming to a record format; and

storing the one or more event data in the processed event record in accordance with the record format.

2. (Currently Amended) The method of claim 1, wherein said creating a processed event record and storing the one or more event data in the processed event record in accordance with the record format comprises one of the following:

~~if one or more of the~~ it is determined that none of the one or more event data is determined not to be compressible:

creating an uncompressed event record in an uncompressed record format; and

storing each event datum in an uncompressed format in the uncompressed event record;

if each of the one or more event data is determined to be compressible, then:

creating a compressed event record in a compressed record format; and

storing each event datum in a compressed format in the compressed event record; and

if it is determined that some ~~one or more~~ of the one or more event data is determined not to be compressible, then:

creating a hybrid event record in a hybrid record format; and

storing each uncompressed event datum in an uncompressed format in the hybrid event record, and storing each compressed event datum in a compressed format in the hybrid event record.

3. (Canceled)
4. (Canceled)
5. (Canceled)
6. (Canceled)
7. (Currently Amended) The method of claim 1 [[6]], additionally comprising if the dictionary entry does not correspond to the given event datum, then outputting the given event datum.
8. (Original) A method comprising:

reading one or more processed event records from an event buffer, each processed event record including one or more processed event data corresponding to one or more uncompressed event data; and

generating one or more client uncompressed event data corresponding to the one or more uncompressed event data, said generating one or more client uncompressed event data including one of:

decompressing an event datum if the event datum is in a compressed format; and

outputting an event datum if the event datum is not in a compressed format.

9. (Original) The method of claim 8, wherein said decompressing the event datum comprises:

mapping a plurality of bits of the event datum to a dictionary index in a dictionary,
each entry in the address dictionary including a dictionary index and a
corresponding dictionary entry; and

using the dictionary entry to obtain the one or more uncompressed event datum.

10. (Canceled)

11. (Currently Amended) An apparatus comprising:

circuitry capable of:

reading one or more event data, the event data corresponding to an event
monitored from a system;

for each event datum, compressing the event datum if the event datum is
determined to be compressible, said compressing including;

generating a hash from a value, the value based, at least in part, on one
or more characteristics of a given event datum of the at least one of
the one or more event data;

mapping the hash to a dictionary index in a dictionary, the index
corresponding to a dictionary entry; and

if the dictionary entry corresponds to the given event datum, then

outputting the dictionary index;

creating a processed event record, the processed event record conforming to a record format; and

storing the one or more event data in the processed event record in accordance with the record format.

12. (Canceled)

13. (Canceled)

14. (Canceled)

15. (Canceled)

16. (Canceled)

17. (Canceled)

18. (Canceled)

19. (Currently Amended) A machine-readable medium having stored thereon instructions, the instructions when executed by a machine, result in the following:

reading one or more event data, the event data corresponding to an event monitored from a system;

for each event datum, compressing the event datum if the event datum is determined to be compressible, said instructions for compressing including;

generating a hash from a value, the value based, at least in part, on one

or more characteristics of a given event datum of the at least one of the one or more event data;

mapping the hash to a dictionary index in a dictionary, the index corresponding to a dictionary entry; and

if the dictionary entry corresponds to the given event datum, then outputting the dictionary index;

creating a processed event record, the processed event record conforming to a record format; and

storing the one or more event data in the processed event record in accordance with the record format.

20. (Canceled)
21. (Canceled)
22. (Canceled)
23. (New) The machine-readable medium of claim 19, wherein said instructions for creating a processed event record and storing the one or more event data in the processed event record in accordance with the record format comprises instructions for carrying out one of the following:

if it is determined that none of the one or more event data is compressible, then the instructions comprise result in:

creating an uncompressed event record in an uncompressed record

format; and

storing each event datum in an uncompressed format in the
uncompressed event record;

if each of the one or more event data is determined to be compressible, then,
then the instructions comprise result in:

creating a compressed event record in a compressed record format; and
storing each event datum in a compressed format in the compressed
event record; and

if it is determined that some of the one or more event data is not compressible,
then, then the instructions comprise result in:

creating a hybrid event record in a hybrid record format; and

storing each uncompressed event datum in an uncompressed format in
the hybrid event record, and storing each compressed event datum
in a compressed format in the hybrid event record.

24. (New) The method of claim 11, wherein said creating a processed event record
and storing the one or more event data in the processed event record in
accordance with the record format comprises one of the following:

if it is determined that none of the one or more event data is compressible:

creating an uncompressed event record in an uncompressed record format; and

storing each event datum in an uncompressed format in the uncompressed event record;

if each of the one or more event data is determined to be compressible, then:

creating a compressed event record in a compressed record format; and

storing each event datum in a compressed format in the compressed event record; and

if it is determined that some of the one or more event data is not compressible, then:

creating a hybrid event record in a hybrid record format; and

storing each uncompressed event datum in an uncompressed format in the hybrid event record, and storing each compressed event datum in a compressed format in the hybrid event record.

AMENDMENTS TO THE DRAWINGS

The attached sheet of drawings includes changes to FIG. 2 and 12. In FIG. 2, "Event Buffer 204" has been amended to "Event Buffer 218". In FIG. 12, "1212A" and "1212N" have been amended so that the reference numerals are legible.

Attachment: Replacement Sheet 2, Replacement Sheet 12, Annotated Marked-Up Drawings for FIG. 2, and Annotated Marked-Up Drawings for FIG. 12.